AMENDMENTS

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for light signal reception, comprising the steps of:

(A) transmitting a light beam to a target;

(B) receiving the light beam reflected from the target and outputting a first received signal, wherein the received signal has at least one pulse;

(C) eliminating pulses smaller than a reference voltage level in the first received signal and determining whether a pulse is higher than the reference voltage level in the first received signal without processing by a gain circuit;

(D) outputting the pulse to a processor to execute operational processes when the pulse in the first received signal is higher than the reference voltage level;

(E) repeating the steps (A) and (B) to obtain a second received signal when, in the first received signal, no pulse is higher than the reference voltage level; and

(F) amplifying the second received signal and outputting to the processor to determine the distance between the target and a ranger finder according to the pulse or the amplified second received signal.

2. (Original) The method as claimed in Claim 1, wherein the pulses smaller than the reference voltage level are eliminated by a comparison circuit in step (C).

3. (Original) The method as claimed in Claim 2, wherein the second received signal is amplified by a gain circuit in step (F).

4. (Original) The method as claimed in Claim 3, wherein the gain circuit amplifies the second received signal non-linearly.

5. (Original) The method as claimed in Claim 3, wherein the gain circuit has a feedback voltage level which is feedback from an output terminal of the gain circuit to an input terminal of the gain circuit.

6. (Previously presented) The method as claimed in Claim 3, further comprising a step of connecting a channel selection circuit to the comparison circuit or the gain circuit selectively.

7-10. (Cancelled)

11. (Currently amended) A device, comprising:

a transmitter transmitting a light beam to a target;

a receiver receiving the light beam reflected from the target and outputting a corresponding received signal;

a comparison circuit having a reference voltage level, and receiving the received signal to determine whether a pulse is higher than the reference voltage level, in the received signal;

a gain circuit receiving the received signal from the receiver to amplify and output a corresponding amplified signal; ~~and~~

a processor receiving and processing the pulse or the amplified signal to determine the distance between the target and a ranger finder~~[.]~~, and

a channel selection circuit selectively outputting one of the pulse from the comparison circuit and the amplified signal from the gain circuit to the processor according to a channel selection signal.

12. (Cancelled)

13. (Previously presented) The device as claimed in Claim 11, wherein the gain circuit has a feedback voltage level which is feedback from an output terminal of the gain circuit to an input terminal of the gain circuit.

14-15. (Cancelled)